

Title (en)  
SIGNAL CHAIN WITH EMBEDDED POWER MANAGEMENT

Title (de)  
SIGNALKETTE MIT INTEGRIERTEM ENERGIEMANAGEMENT

Title (fr)  
CHAÎNE DE SIGNAL À GESTION INTÉGRÉE DE L'ALIMENTATION

Publication  
**EP 4024009 B1 20240424 (EN)**

Application  
**EP 21216605 A 20211221**

Priority  
US 202017138295 A 20201230

Abstract (en)  
[origin: EP4024009A1] A system for processing a signal in a signal chain having decentralized embedded power management of components of the signal chain includes an input circuit (110) to generate a measurement signal responsive to a stimulus, where the measurement signal is indicative of a characteristic of the stimulus. The system additionally includes a signal converter circuit (115) coupled to the input circuit (110) to convert the measurement signal to a digital signal according to a timing condition for capturing a sample of the measurement signal. The signal converter (115) includes a control circuit (120) to provide electrical power to the input circuit (110) based on the timing condition and a sampling circuit (140) to capture the sample of the measurement signal responsive to an indicator signal generated by the sensor circuit (105).

IPC 8 full level  
**G01D 21/00** (2006.01); **G01R 19/00** (2006.01)

CPC (source: EP US)  
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Designated contracting state (EPC)  
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**EP 4024009 A1 20220706; EP 4024009 B1 20240424**; JP 2022104910 A 20220712; US 11652492 B2 20230516; US 2022209681 A1 20220630

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